

CURRICULUM VITAE AND PUBLICATIONS LIST

CURRICULUM VITAE

Name and Surname: Müge AKKOYUN

Academic Title: Assistant Professor

Affiliation: Beykoz University

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Foreign Language (Score and Year): English 80 - 2024



Degree	Field/Program	University	Year
Bachelor	Psychology	Istanbul University	2016
M.Sc.	Clinical Neurosciences	Dokuz Eylül University	2020
Ph.D.	Basic Neurosciences	Dokuz Eylül University	2024
Assoc. Prof. / Prof.	-	-	

Master's Thesis Title and Advisor: Longitudinal Study of Eye Movements in Patients with Mild Cognitive Impairment, Prof. Gülden Akdal.

Ph.D. Thesis Title and Advisor: Evaluation of Visuospatial Functions by Eye Movements in Patients with Alzheimer's Disease and Mild Cognitive Impairment, Prof. Gülden Akdal.

Positions Held:

Position	Institution	Duration
Psychologist	BrainFit Family and Child Development Center, Izmir	August 2017 - February 2018

Roles in Projects:

1. **The Scientific and Technological Research Council of Türkiye (TÜBİTAK) 1001 Project (119S560):** "Assessment of Cognition, Vestibular Function, and Eye Movements in Mild Cognitive Impairment and Dementia Cases" - Principal Investigator: Prof. Dr. Gülden Akdal; International Advisors: Prof. Dr. Michael Halmagyi, Prof. Dr. Timothy Lewis Hodgson; Researcher: Hatice Eraslan Boz; Scholars: Koray Koçoğlu, Müge Akkoyun, Merve Ekin. (15.11.2019 - 15.05.2022).
2. **The Scientific and Technological Research Council of Türkiye (TÜBİTAK) 1002 Project (222S549):** "Free Visual Scanning in Individuals at High Risk for Psychosis and Bipolar Disorder" - Principal Investigator: Prof. Dr. Gülden Akdal; Researchers: Hatice Eraslan Boz, İbrahim Emre Bora; Scholars: Müge Akkoyun, Merve Ekin. (01.12.2022 - 01.12.2023).
3. **The Scientific and Technological Research Council of Türkiye (TÜBİTAK) BİDEB 2211-A** Domestic Doctoral Scholarship Program. (2021-1).

Administrative Roles:

None

Membership in Scientific Societies:

Turkish Society for Brain Research and Neuroscience

European Neuroscience Society

Turkish Neurological Society

Awards:

1. Ekin M, Koçoğlu K, Eraslan Boz H, Akkoyun M, Tüfekci İY, Yalınçetin B, Özbek SU, Bora E, Akdal G. Eye Movements and Posturography in Individuals at High Risk for Psychosis and Bipolar Disorder: Pilot Study. (**Poster Presentation 3rd Place**). 57th National Neurology Congress, Antalya, 27 Nov - 1 Dec 2021.
2. Research Awards Competition, 19th National Psychology Congress, Turkish Psychological Association Izmir Branch, **Second Place** (2016).

Undergraduate and Graduate Courses Taught (Including Summer Courses):

PUBLICATIONS

A. Articles Published in International Peer-Reviewed Journals:

1. Eraslan Boz H, Kırkım G, Koçoğlu K, Çakır Çetin A, **Akkoyun M**, Güneri EA, Akdal G. Cognitive function in Meniere's disease. Psychology, Health & Medicine, 2022, 1-11. DOI: 10.1080/13548506.2022.2144637
2. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci İY, Ekin M, Özçelik P, Akdal G. The influence of stimulus eccentricity on prosaccade outcomes in patients with Alzheimer's disease dementia at an early stage and amnesic mild cognitive

impairment. *Journal of Clinical and Experimental Neuropsychology*, 2022, 44, (10), 713-729, DOI: 10.1080/13803395.2023.2183937

3. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci IY, Ekin M, Özçelik P, Akdal G. Uncorrected errors and correct saccades in the antisaccade task distinguish between early-stage Alzheimer's disease dementia, amnesic mild cognitive impairment, and normal aging. *Aging, Neuropsychology and Cognition*, 2023. DOI: 10.1080/13825585.2023.2198191
4. **Akkoyun M**, Koçoğlu K, Eraslan Boz H, Akdal G. Saccadic eye movements in patients with mild cognitive impairment: A longitudinal study. *Journal of Motor Behavior*, 2023, 55: 4, 354-372. DOI: 10.1080/00222895.2023.2202620
5. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci IY, Ekin M, Özçelik P, Akdal G. Examination of eye movements during visual scanning of real-world images in Alzheimer's disease and amnesic mild cognitive impairment. *International Journal of Psychophysiology*, 2023, 190, 84-93. DOI: 10.1016/j.ijpsycho.2023.06.009
6. Ekin M, Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Tüfekci IY, Cesim E, Yalınçetin B, Uzman Özbek S, Bora E, Akdal G. Antisaccade and memory-guided saccade in individuals at ultra-high risk for bipolar disorder. *Journal of Affective Disorders*, 2023, 339, 965-972. DOI: 10.1016/j.jad.2023.07.109
7. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci IY, Ekin M, Akdal G. Eye movement patterns during viewing face images with neutral expressions in patients with early-stage Alzheimer's disease, amnesic mild cognitive impairment. *Brain & Behavior*, 2023. DOI: 10.1002/brb3.3232
8. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci IY, Ekin M, Akdal G. Visual search in Alzheimer's disease and amnesic mild cognitive impairment: An eye-tracking study. *Alzheimer's & Dementia*, 2023. DOI: 10.1002/alz.13478
9. **Akkoyun M**, Koçoğlu K, Eraslan Boz H, Tüfekci IY, Ekin M, Akdal G. Visual search for real-world scenes in patients with Alzheimer's disease and amnesic mild cognitive impairment. *Brain and Behavior*. 2024. DOI: 10.1002/brb3.3567.

B. Papers Presented at International Scientific Meetings and Published in Proceedings:

1. Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Dönmez Çolakoğlu B, Çakmur R, Akdal G. Oculomotor abnormalities in patients with Parkinson's disease and progressive supranuclear palsy. [Poster Presentation]. XXV World Congress on Parkinson's Disease and Related Disorders. June 7-9, 2020.
2. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Dönmez Çolakoğlu B, Çakmur R, Akdal G. Balance and gait disturbances and the quality of life in patients with idiopathic Parkinson's disease and progressive supranuclear palsy. [Poster Presentation]. XXV World Congress on Parkinson's Disease and Related Disorders. June 7-9, 2020.

3. **Akkoyun M**, Koçoğlu K, Dönmez Çolakoğlu B, Çakmur R, Akdal G. Pro-saccades impairment in Parkinson's disease. [Poster Presentation]. XXV World Congress on Parkinson's Disease and Related Disorders. June 7-9, 2020.
4. **Akkoyun M**, Koçoğlu K, Akdal G. Longitudinal Evaluation of Eye Movements in Mild Cognitive Impairment. [Poster Presentation]. 7th Congress of European Academy of Neurology-Virtual. June 18-21, 2021.
5. Akdal G, Eraslan Boz H, Kırkım G, Koçoğlu K, **Akkoyun M**, Güneri EA, Çakır Çetin A. Cognitive functions in Meniere's disease. [Poster Presentation]. 7th Congress of European Academy of Neurology-Virtual. June 18-21, 2021.
6. Eraslan-Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci IY, Ekin M, Özçelik P, Akdal G. Visual scanning patterns in patients with Alzheimer's disease dementia and mild cognitive impairment. [Poster Presentation]. 8th Congress of European Academy of Neurology-Virtual. June 2022.
7. Eraslan-Boz H, **Akkoyun M**, Koçoğlu K, Tüfekci IY, Ekin M, Akdal G. Visual search with finding car task for patients with Alzheimer's disease and mild cognitive impairment. [Poster Presentation]. Alzheimer's Association International Conference-Virtual. July 29-August 1-3, 2022.
8. **Akkoyun M**, Koçoğlu K, Eraslan-Boz H, Tüfekci IY, Ekin M, Akdal G. Visual search in patients with Alzheimer's disease and mild cognitive impairment: Kitchen scanning task. [Poster Presentation]. Alzheimer's Association International Conference-Virtual. July 29-August 1-3, 2022.
9. Tüfekci IY, Koçoğlu K, Eraslan-Boz H, **Akkoyun M**, Ekin M, Akdal G. Evaluation of cognition with the Eyelink: Saccadic eye movements in healthy subjects. [Poster Presentation]. Alzheimer's Association International Conference-Virtual. July 29-August 1-3, 2022.
10. Ekin M, Koçoğlu K, Eraslan-Boz H, **Akkoyun M**, Tüfekci IY, Akdal G. Saccadic eye movement in individuals with ultra high-risk for psychosis and bipolar disorder. [Poster Presentation]. Alzheimer's Association International Conference-Virtual. July 29-August 1-3, 2022.
11. Eraslan-Boz H, **Akkoyun M**, Koçoğlu K, Tüfekci IY, Ekin M, Akdal G. Visual scanning of faces with neutral expression in patients with Alzheimer's disease and amnesic mild cognitive impairment. [Poster Presentation]. Alzheimer's Association International Conference. July 16-20, 2023.
12. **Akkoyun M**, Koçoğlu K, Eraslan-Boz H, Tüfekci IY, Ekin M, Akdal G. Eye movements during the judgement of line orientation test in patients with Alzheimer's disease and amnesic mild cognitive impairment. [Poster Presentation]. Alzheimer's Association International Conference. July 16-20, 2023.

13. Ekin M, Koçoğlu K, Eraslan-Boz H, **Akkoyun M**, Tüfekci İY, Akdal G. Spatial working memory in prodromal stage: An eye-tracking study. [Poster Presentation]. Alzheimer's Association International Conference. July 16-20, 2023.
14. Demirlek C, Ekin M, Gurbuz MS, Yalincetin B, Atas F, Kocoglu K, **Akkoyun M**, Eraslan-Boz H, Uzman-Ozbek S, Kaya M, Akdal G, Bora E. Eye Movements and Eye Structure in Clinical High Risk for Psychosis. Schizophrenia International Research Society 2024 Congress. 3-7 Apr 2024.

C. Books or Chapters in National/International Books:

C1. Written national/international books:

C1.1.

C2. Chapters in national/international books:

C2.1.

D. Articles published in national refereed journals:

D1.

E. Papers Presented at National Scientific Meetings and Published in Proceedings:

1. **Akkoyun M**, Öztürk A, Koçoğlu K, Eraslan-Boz H, Karakaptan-Ataman Y, Çakmur R, Çolakoğlu Dönmez B, Akdal G. İdiyopatik Parkinson Hastalığı ve Progresif Supranükleer Paralizide Denge ve Yaşam Kalitesinin İncelenmesi [Controversial EPoster]. 54th National Congress of Neurology, 1-6 December, 2018.
2. Eraslan-Boz H, Kırkırm G, **Akkoyun M**, Güneri EA, Akdal G. Meniere Hastalığı'nda Bilişsel İşlevler. [Oral Presentation]. 55. National Neurology Congress, November, 2019.
3. **Akkoyun M**, Koçoğlu K, Akdal G. Hafif Kognitif Bozukluk Olgularında Sakkadik Göz Hareketlerinin Boylamsal İncelenmesi. [Oral Presentation]. 55. National Neurology Congress, November, 2019.
4. **Akkoyun M**, Koçoğlu K, Akdal G. Hafif Kognitif Bozukluk Olgularında Sakkadik Göz Hareketlerinin Boylamsal İncelenmesi. [Poster Presentation]. 10. National Alzheimer's Congress, 05- 08 November 2020.
5. Koçoğlu K, **Akkoyun M**, Dönmez Çolakoğlu B, Çakmur R, Akdal G. Parkinson Hastalığında Sakkadik Göz Hareketlerinde Bozukluk. [Poster Presentation], 18. National Neuroscience Congress. 06- 09 November 2020.

6. Eraslan Boz H, Kırkım G, Koçoğlu K, **Akkoyun M**, Güneri EA, Çakır Çetin, Akdal G. Meniere Hastalığı'nda Bilişsel İşlevler Ve İşitme Kaybının İlişkisi. [Poster Presentation], 18. National Neuroscience Congress. 06- 09 November 2020.
7. **Akkoyun M**, Koçoğlu K, Akdal G. Hafif Kognitif Bozukluk Olgularında Sakkadik Göz Hareketlerinin Boylamsal Olarak İncelenmesi. [Oral Presentation]. 18. National Neuroscience Congress. 06- 09 November 2020.
8. Koçoğlu K, **Akkoyun M**, Eraslan-Boz H, Dönmez Çolakoğlu B, Çakmur R, Akdal G. Parkinson Hastalığında Göz Hareketlerinde Bozukluk. [Oral Presentation]. 56. National Neurology Congress-Virtual, December, 2020.
9. Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Tüfekci İY, Özçelik P, Ekin M, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozukluk Olgularında Vestibüler İşlevlerin Değerlendirilmesi. [Oral Presentation]. 11. National Alzheimer's Congress, 21-25 September, 2021.
10. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci İY, Ekin M, Özçelik P, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozuklukta Görsel Tarama. [Poster Presentation]. 11. National Alzheimer's Congress, 21-25 September, 2021.
11. Ekin M. Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Tüfekci İY, Bora İE, Akdal G. Psikoz ve Bipolar Bozukluk için Yüksek Riski Olan Bireylerde Sakkadik Göz Hareketleri. [Poster Presentation] 19. National Neuroscience Congress. 21-24 November 2021.
12. Tüfekci İY, Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Ekin M, Akdal G. Eyalink ile Kognisyon Değerlendirmesi: Sağlıklı Bireylerde Görsel Tarama ve Sakkadik Göz Hareketleri. [Oral Presentation]. 19. National Neuroscience Congress. 21-24 November 2021.
13. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci İY, Ekin M, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozuklukta Görsel Tarama Modellerinin İncelenmesi. [Oral Presentation]. 19. National Neuroscience Congress. 21-24 November 2021.
14. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci İY, Ekin M, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozuklukta Prosakkad ve Antisakkad. [Oral Presentation]. 57. National Neurology Congress. 27-30 November 2021.
15. Tüfekci İY, Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Ekin M, Akdal G. Eyalink ile Kognisyon Değerlendirmesi: Sağlıklı Bireylerde Görsel Tarama ve Sakkadik Göz Hareketleri. [Oral Presentation]. 57. National Neurology Congress. 27-30 November 2021.
16. Ekin M, Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Tüfekci İY, Bora İE, Akdal G. Psikoz ve Bipolar Bozukluk için Yüksek Riski Olan Bireylerde Sakkadik Göz Hareketleri. [Oral Presentation]. 57. National Neurology Congress. 27-30 November 2021.
17. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci İY, Ekin M, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozuklukta Görsel Tarama Modellerinin İncelenmesi.

- [Oral Presentation]. 57. National Neurology Congress. 27-30 November 2021.
18. Eraslan Boz H, Koçoğlu K, **Akkoyun M**, Tüfekci IY, Ekin M, Özçelik P, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozukluk Olgularında Yüz Tarama Görevinde Göz Hareketi Modellerinin İncelenmesi. [Oral Presentation]. 58. National Neurology Congress., 19-24 November 2022.
19. **Akkoyun M**, Koçoğlu K, Eraslan Boz H, Tüfekci IY, Ekin M, Akdal G. Alzheimer Hastalığı ve Hafif Kognitif Bozukluk Olgularında Görsel Hedef Bulmanın Göz Hareketleri ile Değerlendirilmesi: Mutfak Malzemeleri Bulma Paradigması. [Oral Presentation]. 58. National Neurology Congress., 19-24 November 2022.
20. Tüfekci IY, Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Ekin M, Akdal G. Eyelink ve Görsel Tarama: Yaşa bağlı görsel tarama modellerinin değerlendirmesi ve kognisyon. [Oral Presentation]. 58. National Neurology Congress., 19-24 November 2022.
21. Ekin M, Koçoğlu K, Eraslan Boz H, **Akkoyun M**, Tüfekci IY, Yalınçetin B, Bora E, Akdal G. Bipolar Bozukluk için Yüksek Riski Olan Bireylerde İnhibisyon Problemi: Göz Hareketi Çalışması. [Oral Presentation]. 58. National Neurology Congress., 19-24 November 2022.
22. **Akkoyun M**, Koçoğlu K, Eraslan Boz H, Tüfekci IY, Ekin M, Akdal G. Alzheimer hastalığında görsel-uzamsal işlevlerin göz hareketleri ile değerlendirilmesi. [Poster Presentation]. 21. National Neuroscience Congress. 8- 11 May 2023.
23. Eraslan Boz H, Koçoğlu K, Akkoyun M, Tüfekci IY, Ekin M, Özçelik P, Akdal G. Alzheimer hastalığı ve amnestik hafif kognitif bozuklukta görsel hedef bulma sırasında göz hareketleri. [Oral Presentation]. 21. National Neuroscience Congress. 8- 11 May 2023.

F. Art and Design Activities:

F1.

G. Other Publications:

Translated Chapter in an Edited Book:

1. Translation Chapter in Edited Book: Kolb B, Whishaw IQ, Teskey GC (2022, 7th Ed.). Introduction to Brain and Behavior (M. Akkoyun, Translator). Edited by H. Kafadar. Palme Publishing.